

Range Resources (RRC) Record Appalachian Well

<i>Symbol</i>	RRC	<i>Ebitda Next Twelve Months ending 12/31/15 (US\$m)</i>	1,024
<i>Rating</i>	Buy	<i>North American Natural Gas/Ebitda (%)</i>	66
<i>Price (\$/sh)</i>	57.04	<i>Natural Gas and Oil Production/Ebitda (%)</i>	100
<i>Pricing Date</i>	12/22/14	<i>Adjusted Reserves/Production NTM</i>	11.1
<i>Shares (mm)</i>	166	<i>EV/Ebitda</i>	12.7
<i>Market Capitalization (\$mm)</i>	9,500	<i>PV/Ebitda</i>	19.7
<i>Debt (\$mm)</i>	3,600	<i>Undeveloped Reserves (%)</i>	49
<i>Enterprise Value (EV) (\$mm)</i>	13,000	<i>Natural Gas and Oil Ebitda (\$/boe)</i>	11.00
<i>Present Value (PV) (\$mm)</i>	20,200	<i>Present Value Proven Reserves(\$/boe)</i>	14.80
<i>Net Present Value (\$/share)</i>	100	<i>Oil and Gas Ebitda Margin (%)</i>	66
<i>Debt/Present Value</i>	0.18	<i>Earnings Next Twelve Months (US\$/sh)</i>	0.63
<i>McDep Ratio - EV/PV</i>	0.65	<i>Price/Earnings Next Twelve Months</i>	91
<i>Dividend Yield (%/year)</i>	0.3	<i>Indicated Annual Dividend (US\$/sh)</i>	0.16
Note: Estimated cash flow and earnings tied to one-year futures prices for oil and natural gas.			
Reported results may vary widely from estimates. Estimated present value per share revised only infrequently.			
Estimated present value presumes a long-term price for oil of US\$90 a barrel and natural gas, \$6 a million btu.			
For historical analysis of Range since 2010 see www.mcdep.com/4rrc.htm			

Summary and Recommendation

The first well completed by **Range Resources (RRC)** in the Utica/Point Pleasant formation in Southwest Pennsylvania tested 59 million cubic feet daily (mmcf/d), or 10.9 mmcf/d for each thousand feet of horizontal section, apparently a record for any horizon in Appalachia. Announced on December 15, the result is confirmation of the 50 mmcf/d we thought might be possible when the planned drilling was disclosed in the spring. RRC stock reacted positively on the announcement and has since dropped back with continued warmer than normal weather contributing to lower than normal natural gas demand in December 2014. Yet, with the well results in hand we are more confident that the Utica/Pt Pleasant formation can add some 50% eventually to the company's potential (see slide Resource Potential on page 2). We don't count the Utica/PP explicitly in our estimate of Net Present Value (NPV) of \$100 a share (see table Present Value on page 2). As a practical matter, the current \$56 stock price seems to be limited by unlevered multiple of year-ahead cash flow (EV/Ebitda), which in turn depends on price and volume (see table Operating and Financial Estimates on page 3). We think natural gas price is low at \$3.20 a million btu for 2015. On the volume side, management believes it has sound plans to deliver 20-25% growth for the next several years. Debt is moderate whether EV/Market Cap measured as 1.38 or ratio of McDep estimated present value of 0.18. Finally, as RRC stock has declined, investors might rebalance and add to positions. Only eight months ago the rebalancing opportunity seemed to be to take some profits (see *Meter Reader 4/22/14 Range Resources (RRC) – Testing Utica*).

Kurt H. Wulff, CFA



Meter Reader

A Weekly Analysis of Oil and Gas Stocks

December 23, 2014

Resource Potential is 8 to 10 Times Proved Reserves

Resource Area	Gas (Tcf)	Liquids (Mmbbls)	Net Unproven Resource Potential (Tcfe)
Marcellus Shale	27 – 35	2,250 – 2,740	41 – 51
Upper Devonian Shale	8 – 12	600 – 940	12 – 18
Midcontinent	3 – 4	665 – 1,032	7 – 11
Nora	5 – 6	-0-	5 – 6
TOTAL	43 – 57	3,515 – 4,712	65 – 86

As of 6/30/2014 – Includes the effect of the property exchange with EQT, effective June 16, 2014. Does not include Utica/PP or tighter spacing in dry Marcellus areas; Liquids include Ethane

Range Resources Corporation					
Functional Cash Flow and Present Value					
	<i>NTM Ebitda</i>	<i>Adjusted</i>	<i>PV/</i>	<i>Present</i>	
	<i>(US\$mm)</i>	<i>R/P</i>	<i>Ebitda</i>	<i>Value</i>	
				<i>(US\$mm)</i>	
North American Natural Gas	677	10.8	19.2	13,000	64%
Oil	348	11.7	20.7	7,200	36%
	1,024	11.1	19.7	20,200	100%
Debt (US\$mm)					3,600
Net Present Value (US\$mm)					16,600
Shares (mm)					166
Net Present Value - Standard Estimate (US\$/sh)					100
NPV Approximation by Cash Flow Multiple Depending on Reserve Life (US\$/sh)					72



Meter Reader

A Weekly Analysis of Oil and Gas Stocks

December 23, 2014

Range Resources Corporation										
Next Twelve Months Operating and Financial Estimates										
	Q4	Year	Q3	Q4E	Year	Q1E	Q2E	Q3E	Q4E	Next Twelve Months
	12/31/13	2013	9/30/14	12/31/14	2014E	3/31/15	6/30/15	9/30/15	12/31/15	12/31/15
Volume										
Natural Gas (bcf)	69.6	264.5	75.6	86.9	292.4	89.3	94.8	100.6	105.7	390.4
Natural Gas (mmcf)	756	725	822	945	801	992	1,042	1,094	1,149	1,070
Days	92	365	92	92	365	90	91	92	92	365
Oil (mmb)	3.9	13	5.9	6.2	23	6.4	6.8	7.2	7.5	28
Oil (mbd)	42.6	35.9	64.3	67.5	63.3	70.9	74.4	78.1	82.0	76.4
Total (mb)	15.5	57	18.5	20.7	72	21.3	22.6	24.0	25.2	93
Total (mmcf)	1,012	940	1,208	1,350	1,181	1,418	1,488	1,563	1,641	1,528
Price										
Henry Hub (\$/mmbtu)	3.60	3.65	4.07	4.02	4.43	3.16	3.11	3.18	3.34	3.20
Differential (\$/mmbtu)	0.20	0.04	0.73	0.72	0.46	0.57	0.56	0.57	0.60	0.57
Company (\$/mcf)	3.40	3.61	3.34	3.30	3.97	2.59	2.55	2.61	2.74	2.63
WTI Cushing (\$/bbl)	97.46	97.98	97.24	77.89	94.22	55.38	56.48	57.74	59.22	57.21
Differential	49.02	48.67	65.15	52.19	60.87	37.10	37.84	38.69	39.68	38.30
Company (\$/bbl)	48.43	49.31	32.09	25.71	33.35	18.28	18.64	19.05	19.54	18.91
Total (\$/bbl)	27.48	27.99	23.89	21.56	26.89	16.37	16.31	16.68	17.37	16.71
Revenue (\$mm)										
Natural Gas	236	955	253	287	1,161	232	242	263	290	1,026
Oil	190	645	190	160	770	117	126	137	148	527
Total	426	1,600	442	446	1,931	348	368	400	437	1,553
Expense										
Transportation	67	256	85							
Production	45	170	48							
General and administrative	39	144	41							
Total	151	570	174	152	644	119	125	136	149	529
Ebitda	275	1,030	268	294	1,287	230	243	264	288	1,024
Exploration	13	81	10	10	57	18	18	18	18	72
Deprec., Deplet., & Amort.	127	492	142	171	575	176	187	198	208	770
Other	(14)	(76)	(17)	(16)	101	(45)	(39)	(30)	(19)	(133)
Ebit	149	533	133	129	554	81	77	77	81	316
Interest	45	176	39	39	168	39	39	39	39	156
Ebt	104	357	94	90	386	42	38	38	42	160
Income Tax	36	125	33	31	135	15	13	13	15	56
Net Income (\$mm)	68	232	61	58	251	27	25	25	27	104
Per Share (\$)	0.42	1.44	0.37	0.35	1.53	0.16	0.15	0.15	0.16	0.63
Shares (millions)	161	161	166	166	164	166	166	166	166	166
Ebitda Margin	65%	64%	61%	66%	67%	66%	66%	66%	66%	66%
Tax rate	35%	35%	35%	35%	35%	35%	35%	35%	35%	35%



Meter Reader

A Weekly Analysis of Oil and Gas Stocks

December 23, 2014

Symbol/Rating B = Buy	Price (US\$/sh) 22-Dec 2014	EV/ Market Cap	Enterprise Value (\$mm)	Present Value by Segment (%)					Dist. Yield NTM (%)	McDep Ratio	
				North Amer. Natural Gas	Rest of World Natural Gas	Oil Prod'n	Down- stream				
Global Integrated											
Exxon Mobil Corporation	XOM	B	93.32	1.19	472,000	7	16	61	17	3.0	0.93
Chevron Corporation	CVX		112.05	1.21	257,000	3	11	73	13	3.8	0.78
Royal Dutch Shell plc	RDS-A		68.13	1.37	295,000	4	22	57	17	5.5	0.78
Total S.A.	TOT		52.43	1.48	177,000		22	60	18	5.7	0.74
Lukoil Oil Company	LUKOY	B	42.55	1.24	41,100			76	24	5.0	0.36
<i>Total or Median</i>				<i>1.24</i>	<i>1,242,000</i>			<i>61</i>	<i>17</i>	<i>5.0</i>	<i>0.78</i>
U.S. Independent											
EOG Resources, Inc.	EOG		95.06	1.12	58,500	16	4	80		0.7	0.88
Occidental Petroleum Corp.	OXY		80.79	1.08	68,000	5	1	83	11	3.6	0.82
ConocoPhillips	COP		69.52	1.38	120,000	13	15	72		4.2	0.76
Devon Energy Corporation	DVN	B	60.19	1.70	42,100	27		65	8	1.6	0.72
Marathon Oil Corporation	MRO	B	28.28	1.52	29,200	9	3	89		3.0	0.66
<i>Total or Median</i>				<i>1.38</i>	<i>318,000</i>	<i>13</i>		<i>80</i>		<i>3.0</i>	<i>0.76</i>
Canada											
Imperial Oil Limited (30%)	IMO		43.85	1.24	13,800	2		79	19	1.0	0.87
EnCana Corporation	ECA	B	13.50	2.16	21,400	52		48		2.1	0.64
Canadian Oil Sands Limited	COSWF	B	9.39	1.60	7,300			100		7.3	0.59
Cenovus Energy Inc.	CVE		20.72	1.40	22,000	9		80	10	4.4	0.58
<i>Total or Median</i>				<i>1.50</i>	<i>65,000</i>			<i>79</i>		<i>3.2</i>	<i>0.61</i>
Small Cap Independent Producers											
Cimarex Energy Company	XEC	B	111.79	1.16	11,300	41		59		0.6	0.82
Range Resources	RRC	B	57.04	1.38	13,000	64		36		0.3	0.65
Whiting Petroleum Corporation	WLL	B	34.03	1.98	11,500	7		93		-	0.55
Continental Resources (32%)	CLR	B	38.02	1.43	6,500	21		79		-	0.54
Birchcliff Energy Ltd.	BIREF	B	7.00	1.48	1,600	75		25		-	0.53
California Resources	CRC		5.78	3.81	8,500	13		87		0.7	0.39
<i>Total or Median</i>				<i>1.46</i>	<i>52,000</i>	<i>31</i>		<i>69</i>		<i>0.1</i>	<i>0.54</i>
RTF Cash Payers											
Dorchester Minerals, L.P.	DMLP	B	25.20	1.00	770	35		65		4.6	0.79
San Juan Basin Royalty Trust	SJT	B	13.80	1.00	640	100		-		6.2	0.66
Hugoton Royalty Trust	HGT		7.78	1.00	310	87		13		7.8	0.60
Sabine Royalty Trust	SBR		37.90	1.00	550	44		56		7.7	0.59
Permian Basin RT	PBT		9.24	1.00	430	20		80		8.3	0.51
Cross Timbers Royalty Trust	CRT		18.23	1.00	110	64		36		9.0	0.43
Enduro Royalty Trust	NDRO		4.89	1.00	160	28		72		4.2	0.35
<i>Total or Median</i>				<i>1.00</i>	<i>3,000</i>	<i>44</i>		<i>56</i>		<i>7.7</i>	<i>0.59</i>

Estimated present value presumes a long-term price for oil of US\$90 a barrel and natural gas, \$6 a million btu.
 McDep Ratio = Market cap and Debt to present value of oil and gas and other businesses



Meter Reader

A Weekly Analysis of Oil and Gas Stocks

December 23, 2014

			<i>Price (US\$/sh) 22-Dec 2014</i>	<i>Shares (mm)</i>	<i>Market Cap (US\$mm)</i>	<i>Net Present Value (US\$/sh)</i>	<i>Debt/ Present Value</i>	<i>McDep Ratio</i>
	<i>Symbol/Rating</i>							
		<i>B = Buy</i>						
Global Integrated								
Exxon Mobil Corporation	XOM	B	93.32	4,267	398,000	102.00	0.15	0.93
Chevron Corporation	CVX		112.05	1,896	212,000	150.00	0.13	0.78
Royal Dutch Shell plc	RDS-A		68.13	3,167	216,000	95.00	0.21	0.78
Total S.A.	TOT		52.43	2,285	120,000	80.00	0.24	0.74
Lukoil Oil Company	LUKOY	B	42.55	776	33,000	135.00	0.07	0.36
	<i>Total or Median</i>				<i>979,000</i>		<i>0.15</i>	<i>0.78</i>
U.S. Independent								
EOG Resources, Inc.	EOG		95.06	550	52,300	110.00	0.09	0.88
Occidental Petroleum Corp.	OXY		80.79	778	62,900	100.00	0.06	0.82
ConocoPhillips	COP		69.52	1,247	87,000	100.00	0.21	0.76
Devon Energy Corporation	DVN	B	60.19	411	24,700	100.00	0.30	0.72
Marathon Oil Corporation	MRO	B	28.28	678	19,170	50.00	0.23	0.66
	<i>Total or Median</i>				<i>246,100</i>		<i>0.21</i>	<i>0.76</i>
Canada								
Imperial Oil Limited (30%)	IMO		43.85	255	11,200	52.00	0.17	0.87
EnCana Corporation	ECA	B	13.50	736	9,900	30.00	0.34	0.64
Canadian Oil Sands Limited	COSWF	B	9.39	485	4,600	20.00	0.22	0.59
Cenovus Energy Inc.	CVE		20.72	759	15,700	42.00	0.17	0.58
	<i>Total or Median</i>				<i>41,000</i>		<i>0.19</i>	<i>0.61</i>
Small Cap Independent Producers								
Cimarex Energy Company	XEC	B	111.79	87	9,800	140.00	0.11	0.82
Range Resources	RRC	B	57.04	166	9,500	100.00	0.18	0.65
Whiting Petroleum Corporation	WLL	B	34.03	170	5,800	90.00	0.27	0.55
Continental Resources (32%)	CLR	B	38.02	119	4,500	85.00	0.16	0.54
Birchcliff Energy Ltd.	BIREF	B	7.00	155	1,100	16.00	0.17	0.53
California Resources	CRC		5.78	387	2,200	40.00	0.29	0.39
	<i>Total or Median</i>				<i>33,000</i>		<i>0.17</i>	<i>0.54</i>
RTF Cash Payers								
Dorchester Minerals, L.P.	DMLP	B	25.20	31	770	32.00	-	0.79
San Juan Basin Royalty Trust	SJT	B	13.80	47	640	21.00	-	0.66
Hugoton Royalty Trust	HGT		7.78	40	310	13.00	-	0.60
Sabine Royalty Trust	SBR		37.90	15	550	64.00	-	0.59
Permian Basin RT	PBT		9.24	47	430	18.00	-	0.51
Cross Timbers Royalty Trust	CRT		18.23	6	110	42.00	-	0.43
Enduro Royalty Trust	NDRO		4.89	33	160	14.00	-	0.35
	<i>Total or Median</i>				<i>3,000</i>		<i>-</i>	<i>0.59</i>

Estimated present value presumes a long-term price for oil of US\$90 a barrel and natural gas, \$6 a million btu.
McDep Ratio = Market cap and Debt to present value of oil and gas and other businesses



Meter Reader

A Weekly Analysis of Oil and Gas Stocks

December 23, 2014

			<i>Price</i> <i>(US\$/sh)</i>	<i>Adjustd</i> <i>Resrvs/</i>	<i>PV/</i>	<i>EV/</i>		<i>Dividend</i>
	<i>Symbol/Rating</i>		<i>22-Dec</i>	<i>Prod</i>	<i>Ebitda</i>	<i>Ebitda</i>	<i>P/E</i>	<i>NTM</i>
	<i>B = Buy</i>		<i>2014</i>	<i>NTM</i>	<i>NTM</i>	<i>NTM</i>	<i>NTM</i>	<i>(\$/sh)</i>
Global Integrated								
Exxon Mobil Corporation	XOM	B	93.32	14.5	9.7	9.0	18	2.76
Chevron Corporation	CVX		112.05	9.2	10.0	7.8	21	4.28
Royal Dutch Shell plc	RDS-A		68.13	10.5	8.9	6.9	18	3.76
Total S.A.	TOT		52.43	10.5	9.2	6.8	16	2.98
Lukoil Oil Company	LUKOY	B	42.55	14.4	7.7	2.8	18	2.15
	<i>Median</i>			<i>10.5</i>	<i>9.2</i>	<i>6.9</i>	<i>18</i>	
U.S. Independent								
EOG Resources, Inc.	EOG		95.06	7.1	10.7	9.4	28	0.67
Occidental Petroleum Corp.	OXY		80.79	10.6	10.9	8.9	27	2.88
Devon Energy Corporation	DVN	B	60.19	9.4	11.5	8.3	19	0.96
ConocoPhillips	COP		69.52	11.1	10.6	8.0	29	2.92
Marathon Oil Corporation	MRO	B	28.28	10.7	10.0	6.7	42	0.84
	<i>Median</i>			<i>10.6</i>	<i>10.7</i>	<i>8.3</i>	<i>28</i>	
Canada								
Canadian Oil Sands Limited	COSWF	B	9.39	19.4	23.0	13.5		0.69
Imperial Oil Limited (30%)	IMO		43.85	25.7	13.7	11.9	17	0.45
EnCana Corporation	ECA	B	13.50	7.8	13.4	8.6	12	0.28
Cenovus Energy Inc.	CVE		20.72	14.6	14.3	8.3	38	0.91
	<i>Median</i>			<i>17.0</i>	<i>14.0</i>	<i>10.2</i>	<i>17</i>	
Small Cap Independent Producers								
Range Resources	RRC	B	57.04	11.1	19.7	12.7	91	0.16
Cimarex Energy Company	XEC	B	111.79	6.0	11.1	9.1	70	0.64
Whiting Petroleum Corporation	WLL	B	34.03	7.3	13.5	7.4		-
Continental Resources (32%)	CLR	B	38.02	11.4	13.5	7.3	16	-
Birchcliff Energy Ltd.	BIREF	B	7.00	12.7	12.5	6.6	26	-
California Resources	CRC		5.78	10.1	12.7	5.0	8	0.04
	<i>Median</i>			<i>10.6</i>	<i>13.1</i>	<i>7.3</i>	<i>26</i>	
RTF Cash Payers								
Dorchester Minerals, L.P.	DMLP	B	25.20	7.8	21.6	17.0	33	1.16
San Juan Basin Royalty Trust	SJT	B	13.80	11.0	21.4	14.0	16	0.86
Sabine Royalty Trust	SBR		37.90	8.9	21.9	13.0	13	2.93
Hugoton Royalty Trust	HGT		7.78	13.7	17.9	10.7	13	0.60
Cross Timbers Royalty Trust	CRT		18.23	12.2	19.9	8.6	11	1.65
Permian Basin RT	PBT		9.24	9.6	16.5	8.5	12	0.77
Enduro Royalty Trust	NDRO		4.89	8.3	12.7	4.4	24	0.20
	<i>Median</i>			<i>9.6</i>	<i>19.9</i>	<i>10.7</i>	<i>13</i>	
EV = Enterprise Value = Market Cap and Debt; Ebitda = Earnings before interest, tax, depreciation and amortization; NTM = Next Twelve Months Ended December 31, 2015; P/E = Stock Price to Earnings; PV = Present Value of oil and gas and other businesses								



Meter Reader

A Weekly Analysis of Oil and Gas Stocks

December 23, 2014

Table 4										
McDep Energy Stocks										
Total Return since Halloween 2014										
Ranked by Unlevered Total Return										
		Price	Price			Equity	Unlevered			
		(\$/sh)	(\$/sh)	Price	Cash	Total	Debt	Total		
	Symbol	22-Dec	27-Oct	Change	Distrib.	Return	(\$/sh)	(%)	McDep	
		2014	2014	(%)	(%)	(%)			Ratio	
Global Integrated										
	Exxon Mobil Corporation	XOM	93.32	93.71	(0)	1	0	17	0	0.93
	Chevron Corporation	CVX	112.05	115.02	(3)	1	(2)	23	(1)	0.78
	Royal Dutch Shell plc	RDS-A	68.13	70.45	(3)	1	(2)	25	(1)	0.78
	Total S.A.	TOT	52.43	56.61	(7)	1	(6)	25	(5)	0.74
	Lukoil Oil Company	LUKOY	42.55	47.35	(10)	3	(7)	10	(8)	0.36
	<i>Median</i>				(3)		(2)		(1)	0.78
U.S. Independent										
	EOG Resources, Inc.	EOG	95.06	88.43	7	-	7	11	7	0.88
	Devon Energy Corporation	DVN	60.19	57.33	5	0	5	42	3	0.72
	ConocoPhillips	COP	69.52	68.83	1	-	1	27	1	0.76
	Occidental Petroleum Corp.	OXY	80.79	86.47	(7)	5	(2)	7	(2)	0.82
	Marathon Oil Corporation	MRO	28.28	33.00	(14)	1	(14)	15	(9)	0.66
	<i>Median</i>				1		1		1	0.76
Canada										
	Imperial Oil Limited (30%)	IMO	43.85	45.40	(3)	0	(3)	10	(3)	0.87
	Cenovus Energy Inc.	CVE	20.72	24.14	(14)	1	(13)	8	(11)	0.58
	EnCana Corporation	ECA	13.50	17.80	(24)	0	(24)	16	(13)	0.64
	Canadian Oil Sands Limited	COSWF	9.39	15.16	(38)	2	(36)	6	(26)	0.59
	<i>Median</i>				(19)		(18)		(12)	0.61
Small Cap Independent Producers										
	Cimarex Energy Company	XEC	111.79	105.68	6	0	6	18	5	0.82
	Birchcliff Energy Ltd.	BIREF	7.00	7.72	(9)	-	(9)	3	(7)	0.53
	Range Resources	RRC	57.04	65.15	(12)	0	(12)	22	(9)	0.65
	California Resources (from 17-Nov)	CRC	5.78	8.50	(32)	-	(32)	16	(11)	0.39
	Continental Resources (32%)	CLR	38.02	54.12	(30)	-	(30)	17	(23)	0.54
	Whiting Petroleum Corporation	WLL	34.03	57.10	(40)	-	(40)	34	(25)	0.55
	<i>Median</i>				(21)		(21)		(10)	0.54
RTF Cash Payers										
	Dorchester Minerals, L.P.	DMLP	25.20	28.13	(10)	-	(10)	-	(10)	0.79
	Hugoton Royalty Trust	HGT	7.78	8.88	(12)	1	(11)	-	(12)	0.60
	San Juan Basin Royalty Trust	SJT	13.80	17.00	(19)	1	(18)	-	(18)	0.66
	Permian Basin RT	PBT	9.24	12.00	(23)	1	(22)	-	(23)	0.51
	Sabine Royalty Trust	SBR	37.90	49.62	(24)	1	(23)	-	(23)	0.59
	Cross Timbers Royalty Trust	CRT	18.23	26.91	(32)	1	(31)	-	(32)	0.43
	Enduro Royalty Trust	NDRO	4.89	8.74	(44)	1	(43)	-	(44)	0.35
	<i>Median</i>				(23)		(22)		(23)	0.59
	<i>Grand Median</i>				(12)		(11)	11	(9)	0.65
	Natural Gas (\$/mmbtu)		3.18	3.56	(11)					
	Oil -West Texas Intermediate (\$/bbl)		55.27	81.00	(32)					

Index of Recent Research			
Stock Ideas			
<u>Date</u>	<u>Symbol</u>	<u>Subject</u>	<u>Theme</u>
9-Dec	WLL	Whiting Petroleum	Kodiak Acquisition Completed (Meter Reader)
4-Dec	COSWF	Canadian Oil Sands Ltd.	Reduce NPV to US\$20, Dividend to 6%
25-Nov	COP	ConocoPhillips	Strong 4% Dividend Independent Producer
13-Nov	BIREF	Birchcliff Energy	Raise NPV to US\$16 on Alberta Natural Gas
11-Nov	COSWF	Canadian Oil Sands Ltd.	Record Monthly Production (Meter Reader)
4-Nov	CRC	California Resources Corporation	Pure Play Largest California Producer (Meter Reader)
28-Oct	CVE	Cenovus Energy	Same Stock Price, Twice the Production (Meter Reader)
21-Oct	TOT	Total	Chief Executive Dies
21-Oct	XEC	Cimarex Energy	Strong Independent Producer (Meter Reader)
14-Oct	DVN	Devon Energy	Rebalance Candidate (Meter Reader)
7-Oct	ECA	Encana Corporation	Suttles' Stamp (Meter Reader)
23-Sep	CLR	Continental Resources	Raise NPV to \$85 on 29% Growth (Meter Reader)
16-Sep	RDSA	Royal Dutch Shell plc	Ben's Growth Strategy (Meter Reader)
9-Sep	EOG	EOG Resources	Mr. Shale (Meter Reader)
2-Sep	LUKOY	Lukoil	Oil under Uncertainty (Meter Reader)
26-Aug	SJT	San Juan Basin Royalty Trust	Income and Shale (Meter Reader)
8-Aug	DMLP	Dorchester Minerals, L.P.	Robust Bakken and Permian Oil Growth
5-Aug	XOM	Exxon Mobil	Shale Oil Minerals (Meter Reader)
30-Jul	RRC	Range Resources	Transportation and Processing Lagging Fracking
22-Jul	MRO	Marathon Oil	Frac Shale Oil, Sell Norway (Meter Reader)
24-Jun	FRHLF	Freehold Royalties Ltd	Raise NPV to \$26 on Minerals (Meter Reader)
17-Jun	PEYUF	Peyto Exploration	Raise NPV to \$42 on More Energy Growth (Meter Reader)
10-Jun	OXY	Occidental Petroleum	Raise NPV to \$120, Spinoff Filed (Meter Reader)
27-May	CVX	Chevron	Oil Price Turns Up (Meter Reader)
23-Apr	HGT	Hugoton Royalty Trust	Positive Arbitration Ruling
21-Apr	MTR	Mesa Royalty Trust	Underpayment Uncovered, Upside Commodity Leverage
18-Mar	PBT	Permian Basin Royalty Trust	Rising Oil Production, Understated Income (Meter Reader)
For historical research by stock, go to mcdep.com , click on Stock Ideas , click on stock by name.			
Meter Reader			
16-Dec			Oil and Gas Stocks for 2015 - For Contrarians and Rebalancers
9-Dec	WLL	Whiting Petroleum	Kodiak Acquisition Completed (Meter Reader)
2-Dec			Rebuild Oil and Gas Positions
25-Nov	COP	ConocoPhillips	Strong 4% Dividend Independent Producer
18-Nov	DMLP, SJT	RTF (Royalty Trust Fund)	DMLP, SJT and the RTF - High Income without Debt
11-Nov	COSWF	Canadian Oil Sands Ltd.	Record Monthly Production
4-Nov	CRC	California Resources Corporation	Pure Play Largest California Producer
28-Oct	CVE	Cenovus Energy	Same Stock Price, Twice the Production
21-Oct	XEC	Cimarex Energy	Strong Independent Producer
14-Oct	DVN	Devon Energy	Rebalance Candidate
7-Oct	ECA	Encana Corporation	Suttles' Stamp
30-Sep		RTF (Royalty Trust Fund)	Current Income and Future Fracking
23-Sep	CLR	Continental Resources	Raise NPV to \$85 on 29% Growth
16-Sep	RDSA	Royal Dutch Shell plc	Ben's Growth Strategy
9-Sep	EOG	EOG Resources	Mr. Shale
2-Sep	LUKOY	Lukoil	Oil under Uncertainty
For earlier editions, go to mcdep.com , click on Meter Reader .			
Industry Ideas			
18-Nov	DMLP, SJT	RTF (Royalty Trust Fund)	DMLP, SJT and the RTF - High Income without Debt (Meter Reader)
30-Sep		RTF (Royalty Trust Fund)	Current Income and Future Fracking



A Weekly Analysis of Oil and Gas Stocks

December 23, 2014

Disclaimer: This analysis was prepared by Kurt Wulff, Manager of McDep LLC. The firm used sources and data believed to be reliable, but makes no representation as to their accuracy or completeness. This analysis is intended for informational purposes and is not a solicitation to buy or sell a security. Past performance is no guarantee of future results.

McDep or its employees may take positions in stocks the firm covers for research purposes. No trades in a subject stock shall be made within a week before or after a change in recommendation.

Certification: I, Kurt H. Wulff, certify that the views expressed in this research analysis accurately reflect my personal views about the subject securities and issuers. No part of my compensation was, is, or will be directly or indirectly related to the specific recommendations or views contained in this research analysis.

Research Methodology/Ratings Description: McDep LLC is an independent research originator focused on oil and gas stocks exclusively. The firm applies the forty years of experience of its analyst to estimate a present value of the oil and gas resources and other businesses of covered companies. That value is compared with a company's stock market capitalization and debt. Stocks with low market cap and debt relative to present value tend to outperform stocks with high market cap and debt relative to present value. Buy recommendations are expected to deliver a total return better than 7% per year above inflation. Hold recommendations assume the attributes of the underlying business are reflected in the current price of the stock. Sell recommendations are expected to deliver a total return less than inflation.